

Abstract

In a set of protective gear for a firefighter or for an emergency worker, a helmet is covered by an aluminized cover, which is joined to an aluminized shroud along an uninterrupted juncture, so as to eliminate any gap between the shroud and the cover, where the cover is joined to the shroud. In a preferred embodiment, the uninterrupted juncture is defined by a permanent seam, which is sewn and which may be sealed by an adhesive sealant so as to be fluid-impervious. Being uninterrupted, the seam impedes and, if sealed by an adhesive sealant, blocks infiltration of heat, water, gases, or smoke between the shroud and the cover. In an alternative embodiment, cover and the shroud have common region including the uninterrupted juncture, the common region being aluminized. The common region blocks infiltration of heat, water, gases, or smoke between the shroud and the cover.